

**Amendments to the Specification:**

Please delete the **TITLE** and replace with the following:

-- Crystals of a *Thermus thermophilus* 30S ribosomal subunit bound to various antibiotics --

Please delete the **ABSTRACT** and replace with the following:

-- The invention provides high resolution X-ray crystal structures of the 30S ribosomal subunit obtained from *Thermus thermophilus*, having a tetragonal space group  $P4_12_12$  to which are bound an antibiotic selected from the group paromomycin, streptomycin, spectinomycin, tetracycline, pactamycin and hygromycin B. An advantageous feature of the structure is that it diffracts at about 3 Å resolution. The invention also provides a crystal of the 30S ribosomal subunit having the three dimensional atomic coordinates of the 30S ribosomal subunit, the coordinates being provided in any one of tables 1 to 4. The data may be used for the rational design and modeling of inhibitors for the 30S ribosomal subunit, which have potential use as antibiotics. --